

PROJECT PROFILE

Consulting * Design * Engineering * Installation * Project Management

Washington State Department of Transportation

The Washington State Department of Transportation (WSDOT) is headquartered in Olympia, Washington with six regional traffic management centers (TMC) located around the state. Each TMC positions cameras to view high priority areas such as bridges, high traffic freeways and mountain passes. These cameras provide live video to the TMC which then encodes the video and routes the signals to WSDOT headquarters in Olympia, WA. WSDOT decodes the 24 live video feeds for local access by managers on their desktop personal computers or to the video wall display in the lobby.

The video wall is comprised of six Mitsubishi VS-50XL-F50U Projection Cubes stacked 2 high and 3 across. The Mitsubishi VS-50XL-F50U Projection Cubes were selected for this project because the designated lobby space for the display was limited and the display location is against a concrete wall with no back access. The Mitsubishi VS-50XL-F50U cubes are only 23 inches deep and the screen opens and deploys in such a manner that all installation and service access is achieved through the front of the cube. The unique front access mechanism allows the video wall Projection Cubes to be placed against a wall so the need for service access space behind the video wall is eliminated.

Across the video wall WSDOT displays a combination of live traffic video feeds, slide shows of current bridge and highway construction projects, aerial photos, flowmaps of current traffic patterns, employee recognition photos, DVD content and public service announcements. They also incorporate the local news with reinforced audio and the TVW station when the state legislature is addressing transportation initiatives.

The content is formatted for display on the video wall using the Jupiter Fusion 964 processor. The content can be managed directly on-site at the Jupiter proces-



sor located in the cabinet beneath the displays. However more often content is managed remotely using Jupiter ControlPoint client software via Citrix server. The video feeds, slideshow and broadcast content is routed through the Jupiter Fusion 964 processor then to the designated projection cube. Any image can be sent to any of the cubes or enlarged and tiled to span across multiple cubes.

The Jupiter processor offered specific features that were ideal for this application. First, it provided direct display of the live video content from the internet to the video wall. Second, the Jupiter Fusion 964 processor can display any computer



application so the client can easily display PowerPoint™ or other windows applications. Third, the Jupiter processor has capacity for expansion so if WSDOT adds an additional video wall the content can route through the existing Jupiter processor. Lastly, the Jupiter processor is user friendly with WYSIWYG features making it easy to manage the video wall remotely and know exactly what is displayed on each of the screens.

The video wall provides a daily reminder to employees and visitors of WSDOT's mission to keep traffic safely moving in Washington state. This mission is dramatically reinforced in live video during the winter

when snow storms force closure of the roads through Stevens or Snoqualmie Pass. Or when a camera shows winter winds kicking driftwood onto the Hood Canal Bridge located on Washington's Olympic Peninsula. It also serves as a central communication point for WSDOT employees and visitors.

REGISTERED AND BONDED

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